



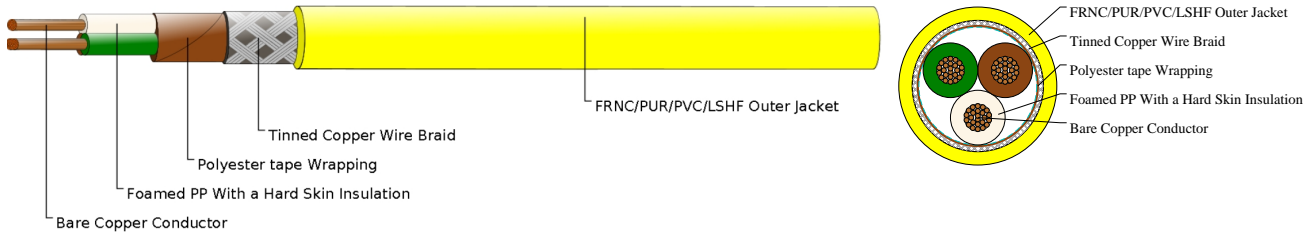
Caledonian

Bus Cables

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Safety Bus 3C0.75mm²



APPLICATIONS

Safety Bus is an open Fieldbus system based on well established CAN Bus technology. Safety Bus modules must be self monitoring, perform intelligent checks and reactions independently and therefore remain “safe”. Several versions of Safety Bus cables are available depending on the application and environmental conditions. The transmission rate is up to 500 Kbit/s.

CABLE CONSTRUCTION

Conductor: Bare copper conductor (AWG 18/24)

Insulation: Foamed PP with a hard skin

Stranding Element: Triple conductor

Wrapping: Polyester foil over stranded bundle

Total Shielding: Copper braid, tinned

Outer Jacket: FRNC/PUR/PVC/LSHF

COLOUR CODE

Insulation Colors: White, Brown, Green

Outer Jacket Color: Yellow

PHYSICAL AND THERMAL PROPERTIES

Characteristic Impedance@1MHz: $120 \Omega \pm 10 \Omega$

Conductor Resistance: 52.0 Ohm/km max.

Insulation Resistance: 0.20 GOhm x km min.

Mutual Capacitance@800Hz: 45.0 nF/km nom.

Working Voltage Max: 250 V

Test Voltage: 3.0 KV

Min. Bending Radius (Laying): 10 x OD mm

Operating Temp. Range, min.: -30°C

Operating Temp. Range, max.: +80 °C

DIMENSION AND PARAMETERS

Cable Construction	Approx. Overall Diameter	Approx. Weight
	mm	kg/km



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3x0.75mm ² (stranded)	7.5±0.3	68
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